**Cross-reference**
**Between the January, 2003 Version of the Liquid IM Protocols**
**And the December, 2004 version**

| Protocol 1 – Segment Identification | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 1.01 | HCA Identification | 1.01 | HCA Identification |
| 1.02 | Direct Intersection Method (Title changed) | 1.02 | Direct Intersection Method and Direct Intersection Exceptions |
| 1.03 | Direct Intersection Exceptions (Integrated into Protocol 1.02) | | |
| 1.04 | Release Locations Selected for Analysis (Title changed and renumbered as Protocol 1.03) | 1.03 | Release Locations and Spill Volumes |
| 1.05 | Spill Volume (Integrated into Protocol 1.03) | | |
| 1.06 | Overland Spread of Liquid Pool (Renumbered as Protocol 1.04) | 1.04 | Overland Spread of Liquid Pool |
| 1.07 | Water Transport Analysis (Renumbered as Protocol 1.05) | 1.05 | Water Transport Analysis |
| 1.08 | Air Dispersion Analysis (Renumbered as Protocol 1.06) | 1.06 | Air Dispersion Analysis |
| 1.09 | Identification of Segments that Could Affect HCAs (Changed the title and renumbered as Protocol 1.07) | 1.07 | Identification of Segments that Could Indirectly Affect an HCA |
| 1.10 | Revision Control (Integrated into new Protocol 8.05) | | |
| 1.11 | Process Formality (Integrated into new Protocol 8.06) | | |
| 1.12 | Timely Completion of Segment Identification (Renumbered as Protocol 1.08) | 1.08 | Timely Completion of Segment Identification |

**Cross-reference**
**Between the January, 2003 Version of the Liquid IM Protocols**
**And the December, 2004 version**

| Protocol 2 – Baseline Assessment Plan | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 2.01 | Assessment Methods | 2.01 | Assessment Methods |
| 2.02 | Assessment Schedule (Title changed) | 2.02 | Prioritized Assessment Schedule |
| 2.03 | Risk Based Assessment Schedule (Integrated into Protocol 2.02) | | |
| 2.04 | Prior Assessments (Renumbered as Protocol 2.03) | 2.03 | Prior Assessments |
| 2.05 | Updates and Revision Controls (Integrated into new Protocol 8.05) | | |
| 2.06 | Completed Assessments (Integrated into Protocol 2.02) | | |

# Cross-reference
## Between the January, 2003 Version of the Liquid IM Protocols
## And the December, 2004 version

| Protocol 3 – Integrity Assessment Results Review | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 3.01 | Qualifications of Employees that Review and Evaluate Assessment Results | 3.01 | Qualifications of Employees that Review and Evaluate Assessment Results |
| 3.02 | ILI Vendor Specifications | 3.02 | ILI Vendor Specifications |
| 3.03 | Validation of Assessment Results | 3.03 | Validation of Assessment Results |
| 3.04 | Integration of Other Information with Assessment Results | 3.04 | Integration of Other Information with Assessment Results |
| 3.05 | Identifying and Categorizing Defects | 3.05 | Identifying and Categorizing Defects |
| 3.06 | Documentation and Distribution (Integrated into new Protocol 8.05) | | |
| 3.07 | Hydrostatic Pressure Testing (Renumbered as Protocol 3.06) | 3.06 | Hydrostatic Pressure Testing |
| 3.08 | Results from the Application of Other Assessment Technologies (Renumbered as Protocol 3.07) | 3.07 | Results from the Application of Other Assessment Technologies |
| 3.09 | Process Formality (Integrated into new Protocol 8.06) | | |

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**Cross-reference**
**Between the January, 2003 Version of the Liquid IM Protocols**
**And the December, 2004 version**

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| Protocol 4 – Remedial Action | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 4.01 | Process | 4.01 | Process |
| 4.02 | Implementation | 4.02 | Implementation |

| Protocol 5 – Risk Analysis | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 5.01 | Comprehensiveness of Approach | 5.01 | Comprehensiveness of Approach |
| 5.02 | Integration of Risk Information | 5.02 | Integration of Risk Information |
| 5.03 | Input Information | 5.03 | Input Information |
| 5.04 | Pipeline Subdividing for Risk Analysis (Title changed) | 5.04 | Risk Analysis of Segments that Could Affect HCAs |
| 5.05 | Results | 5.05 | Results |
| 5.06 | Facilities | 5.06 | Facilities |
| 5.07 | Process Formality & Implementation (Integrated into new Protocol 8.06) | | |
| 5.08 | Revision of Process (Integrated into new Protocol 8.05) | | |

## Cross-reference
## Between the January, 2003 Version of the Liquid IM Protocols
## And the December, 2004 version

| Protocol 6 – Preventive and Mitigative Measures | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 6.01 | Actions Considered | 6.01 | Actions Considered |
| 6.02 | Risk Analysis Application | 6.02 | Risk Analysis Application |
| 6.03 | Decision Basis | 6.03 | Decision Basis |
| 6.04 | Process Formality and Implementation (Integrated into new Protocol 8.06) | | |
| 6.05 | Installed Leak Detection System Information (This protocol has been deleted in its entirety. Information on Leak Detection will be collected as part of Performance Data.) | | |
| 6.06 | Leak Detection: Evaluation Factors (Renumbered as Protocol 6.04) | 6.04 | Leak Detection: Evaluation Factors |
| 6.07 | Leak Detection: Operator Actions/Reactions (Renumbered as Protocol 6.05) | 6.05 | Leak Detection: Operator Actions/Reactions |
| 6.08 | EFRD: Factors (Renumbered as Protocol 6.06) | 6.06 | EFRD: Factors |

# Cross-reference
## Between the January, 2003 Version of the Liquid IM Protocols
## And the December, 2004 version

| Protocol 7 – Continual Process of Evaluation and Assessment | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 7.01 | Periodic Evaluation and Assessment Intervals (This protocol has been divided into two protocols – 7.01 and 7.02) | 7.01 | Periodic Evaluation (New) |
| | | 7.02 | Re-assessment Intervals |
| 7.02 | Assessment Methods (Renumbered as Protocol 7.03) | 7.03 | Assessment Methods |
| 7.03 | Assessment Interval Variance (Renumbered as Protocol 7.04) | 7.04 | Assessment Interval Variance |
| 7.04 | Process Formality (Integrated into new Protocol 8.06) | | |
| 7.05 | Process Implementation (The elements of this protocol have been integrated into Protocols 7.01 and 7.02) | | |

| Protocol 8 – Program Evaluation | | | |
|---|---|---|---|
| **January 2003 Version** | | **December 2004 Version** | |
| Protocol Number | Protocol Subject | Protocol Number | Protocol Subject |
| 8.01 | Process Approach | 8.01 | Process Approach |
| 8.02 | Performance Metrics | 8.02 | Performance Metrics |
| 8.03 | Communication of Evaluation Results | 8.03 | Communication of Evaluation Results |
| 8.04 | Root Cause Analysis Process | 8.04 | Root Cause Analysis Process |
| 8.05 | Process Implementation (The elements of this protocol have been integrated into Protocols 8.01 & 8.03) | | |
| | | 8.05 | Process Revision and Document Control (New) |
| | | 8.06 | Process Formality (New) |